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# UCSC Extension
# DBDA.X409.(10) MySQL and Oracle Database for Developers and
Designers
# Assignment 5
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# 11/06/2022
#
# Create a new proxy_user and only grant him the deletion access on
student table.

# Change the current database to studentdb.
USE studentdb;

# Create a new user.
DROP USER IF EXISTS proxy_user;
CREATE USER proxy_user IDENTIFIED BY "proxy";

# Drop existing tables.
DROP TABLE IF EXISTS score_bak;
DROP TABLE IF EXISTS student_bak;

# Duplicate the student table.
CREATE TABLE student_bak AS
(SELECT * FROM student);

# Add PRIMARY KEY constraint to the student_id column in the
student_bak table.
ALTER TABLE student_bak
MODIFY COLUMN student_id INT UNSIGNED NOT NULL AUTO_INCREMENT
PRIMARY KEY;

# Duplicate the score table.
CREATE TABLE score_bak AS
(SELECT * FROM score);

# Add FOREIGN KEY constraint to the score_bak.student_id referencing
the student_bak.student_id.
ALTER TABLE score_bak
ADD CONSTRAINT FK_score_bak_student_id
FOREIGN KEY (student_id)
REFERENCES student_bak (student_id)
ON DELETE CASCADE;

# Grant only deletion privilege to proxy_user on the student_bak
table.
GRANT DELETE ON student_bak to proxy_user;
```